

## CHARGING SYSTEM AND METHOD

### ABSTRACT OF THE DISCLOSURE

The invention concerns a method (200) and system (100) for charging  
5 a battery (110). The method includes the steps of receiving (212) an input  
power supply signal (300), monitoring (216) the input power supply signal to  
determine when the input power supply signal reaches first and second  
predetermined thresholds (314, 316) and in response to the monitoring step,  
selectively controlling (217) a charging switch (122) that controls the flow of  
10 the input power supply signal to the battery. The controlling step can include  
activating (220) the charging switch when the input power supply signal  
reaches the first predetermined threshold and deactivating (226) the switch  
when the input power supply signal reaches the second predetermined  
threshold.

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